

Biology 1544 Schedule	
	<u>Mader Introductory Biology, 7th Edition "Lab Packet in Bookstore.</u> Mader home page: <a href="http://www.mhhe.com/biosci/genbio/mader7">www.mhhe.com/biosci/genbio/mader7</a>
	This is tentative. Changes may have to be made to meet class goals.
<b>Note:</b>	Pop quizzes may be expected over previous work and readings.
*	Represents assignment which will count as a grade.
<b>Week of:</b>	<b>Schedule, Topics, Goals:</b>
Aug. 25	Introductions: Students, teacher, materials? Thinking about life. Writing about life. Turn in paragraph.* Video on Living Systems: Note taking pointers. <b>Assignment: Read Chapter 1. Safety Video</b>
Sept. 1	Review characteristics of life and group work on scientific method. End of chapter questions in class. * <b>Assignment: Read Chapter 2.</b>
Sept. 8	Organisms need both inorganic and organic compounds. Video on Basic Chemistry; worksheets. * <b>Read Basic Chemistry Lab in packet before class.</b> Recycling talk by Marcia Schoonert; Service Learning Intro. Video on Modern Marvel, Garbage *
Sept. 15	Lab on Organic Chemistry. * <b>Assignment: Read Chapter 3 and answer questions at end.</b> Discuss organic compounds: structure, function, how to recognize. Read Chapter 4, The Cell.
Sept. 22	Discuss Chapter 4, The Cell. Worksheet* Microscope Lab. * Read Microscope lab before class. Bring in pond water for examination under microscope. <b>Read Chapter 5, Membrane Structure and Function.</b>
Sept. 29	Discuss the Cell Membrane, Chapter 5. Group work on Cell Membrane worksheet. Lab on Diffusion and Osmosis. Video on transport in cells. * Review the steps in writing a lab report. First Lab Report due Feb. 26th. Review for Test #1.
Oct. 6	Test #1, Chs. 1- 5 <b>Read Chapter 6, Metabolism, Energy, Enzymes. Discuss Chapter 6.</b> Group work on Cell Energy Worksheets. If weather permits, trip to Tanyard Creek with worksheets.
Oct. 13	Review Test #1. Finish discussing Chapter 6. Review worksheets. <b>Read Chapter 7, Photosynthesis.</b> Review Flow Chart on Photosynthesis. Photosynthesis Lab.* Second lab report due March 24th. Photosynthesis Worksheets by groups. *
Oct. 20	<b>Read Chapter 8, Cellular Respiration</b> Flow Chart review. Worksheet. Videos. * Review for second test, Chapters 5 - 8. <b>Test #2, Mar. 12th.</b>
Oct. 27	<b>Read Chapter 9, Cell Division, Cellular Reproduction.</b> Mitosis Lab in packet. * Worksheet on Mitosis. * <b>Read Chapter 10, Meiosis and Sexual Reproduction.</b>
Nov. 3	Discuss process of Meiosis. Worksheet on Meiosis. * <b>Read Chapter 11, Mendelian Patterns of Inheritance.</b>